

Application No. 10/634,385  
Response to Office Action

Customer No. 01933

Listing of Claims:

Claim 1 (Canceled).

2. (Currently Amended) A circular polarized wave reception antenna ~~as claimed in claim 1, comprising:~~

a monopole antenna comprising a pole portion extending in an axial direction and a ground plate for grounding one terminal of said pole portion, said pole portion having a length of  $\lambda/4$ , where  $\lambda$  represents a resonance wavelength; and

a polarization converting arrangement, disposed around said monopole antenna, for converting a circular polarized wave into a linear polarized wave;

10       wherein said polarization converting means comprising arrangement comprises a plurality of helical leads extending in a helical fashion which helically extend along said pole portion with apart and which are separated from said pole portion by a predetermined distance, wherein each of said helical leads having 15 includes an end which is grounded in said ground plate.

3. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 2, wherein said plurality of helical leads are equal in number comprise two helical leads, and said two helical leads are disposed at around said pole portion with

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an angular space distance of 90 degrees around said pole portion  
therebetween.

4. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 2, wherein said plurality of helical leads are equal in number comprise at least three or more helical leads, and said at least three or more helical leads are disposed at around said pole portion with equal angular spaces around said pole portion distances therebetween.

5. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 2, wherein said resonance wavelength is equal to 128.3mm and said predetermined space is equal to 20mm.

6. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 2, wherein each of said plurality of helical lead leads has a length of  $\lambda/4$ .

7. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 2, wherein a pitch angle included between said ground plate and each of said plurality of helical lead leads is between 30 degrees and 50 degrees.

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8. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 7, wherein said pitch angle is equal to 40 degrees.

9. (Currently Amended) A circular polarized wave reception antenna as claimed in claim 2, wherein said polarization converting means arrangement comprises a cylindrical body formed by including an antenna pattern film which is rolled into a cylindrical shape,

wherein said antenna pattern film comprising comprises a flexible insulator film member having one surface on which said helical leads are formed, and

wherein said pole portion being is disposed in a substantial center substantially central portion of said cylindrical body.